41, Kensington Park Gardens,
W.

London May 27th 1893

My dear Professor Carhart,

Many thanks for the in-
-vitation which you have kindly sent
me to read a paper at the meeting
of the Electrical Congress at Chicago;
which I have much pleasure in accepting
The title will be :-
"The Variation of P. D. of the Electric
Arc with Current, Thickness of Car-
-bons and Distance Apart."

I had intended leaving Liverpool on July 26th, but, as an addition to the English Government asking me to go as a delegate to your Congress, the Royal Commission have asked me to act as a Judge in the electrical section at the Exhibition I am starting on June 21st, and so shall reach Chicago with my daughter on July 1st or 2nd.

With my kindest regards

Sincerely Yours

W. R. Ayrton

Professor Carhart &c &c

DSI

will allow her to return to town
from Hastings when they have
banished her as she has been
suffering from a bad cough.
I hope, however, the cloudless
sky and the expanse of
sea which is in front of me
at this moment may soon
make her strong again.
With kindest regards to Mrs Foster

Very truly Yours
W. H. Preece

Prof. E. C. Foster F.R.S.

$$\frac{dp}{dt} = J \frac{1}{T} l$$

$$dp = J \frac{C-c}{R} \frac{n}{T}$$

$$T = \frac{A}{p}$$

68, Sloane Street. S.W.

Nov 22nd.

My dear Prof Foster.

In this last week's
Engineering it says you are to
be our next President of the Soc.
of Tel. Eng: I cannot tell you
how glad I am that you have
acceded at last to our desire
to have you at our head. If,
as an Officer of the Society, I

can assist you, or in any
way lighten your labours, please
do not hesitate to avail your-
-self of my services in any
way that may occur to you.

Mrs Ayrton and my-
-self have been wishing for some
time to ask Mrs Foster and
yourself to come and dine with
us in our new abode, but we
have been waiting until Mrs
Ayrton's professional friends

Ayrton

CITY & GUILDS OF LONDON INSTITUTE FOR THE ADVANCEMENT OF
TECHNICAL EDUCATION. *John Watney*, Honorary Secretary.

CENTRAL TECHNICAL COLLEGE,
Exhibition Road,
London, S.W. September 8th 1894

Dear Prof Cathart.

About two months ago I wrote to you about the International Specification for the Clark cell and I forwarded you the draft of the Board of Trade specification. Now, however, having heard from you in reply I fear that my communication must have miscarried.

I have now, however the pleasure in sending you a copy of the final regulations which since my last letter have been signed by Her Majesty and become laws in this country.

In the Notes prepared by Mr Glazebrook at the end you will notice certain small modifications which have been made at my suggestion and which I venture to think much improve these notes.

The papers now sent you are official as regards this country and I write to ask whether you would be agreeable to adopting Specification B page 5 of the Order in Council and the Notes at the end as the test of the International Specification entrusted to yourself Prof Helmholtz and me.

You will see that we have endeavoured

-ed to incorporate all the ideas suggested by you and by Dr Kahle. The difficulty that Mr Glazebrook and I laboured under when I wrote to you some eight months ago was that we did not realise that Dr Kahle was referring to a "basic mercurous salt" when he spoke of the calomel salt and not to the turpeth mineral a "basic mercuric sulphate" which is what we had in our minds. And we have to thank you for your letter in reply to mine at the beginning of this year which cleared up this difficulty.

With my kindest regards to yourself and your family

Believe me Very Sincerely Yours

W. E. Ayrton

Professor Carhart &c

AYRTON (William Edward, F.R.S., *first Prof. Physics and Electrical Engineering, Central Technical College,* 1847-1908) A.L.S. (W. E. AYRTON), 68 Sloane St., S.W. Nov. 22nd, to Prof. G. C. Foster, F.R.S., 3 pages 8vo., 17*s* 6*d*

LONDON SOTHERAN

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'In this last week's Engineering it says you are to be our next President of the Soc. of Tel. Eng.: I cannot tell you how glad I am that you have acceded at last to our desire to have you at our head.' . . .

5618 **BRADY (Henry Bowman,** F.R.S., *author of Challenger Report on Foraminifera*, 1835-
A.L.S., Hillfield, Gateshead, Novr. 18 1881, to Prof. W. C. Williamson, 1½ pages 8vo., 12

Of geological interest.

5619 **BRAMWELL (Sir Frederick Joseph,** F.R.S., C.E., 1818-1903) A.L.S. (FREDERICK BRAMWE
5 Great George St., Westminster, S.W., Jany. 13th 1897, to 'My dear Silvanus Thomps